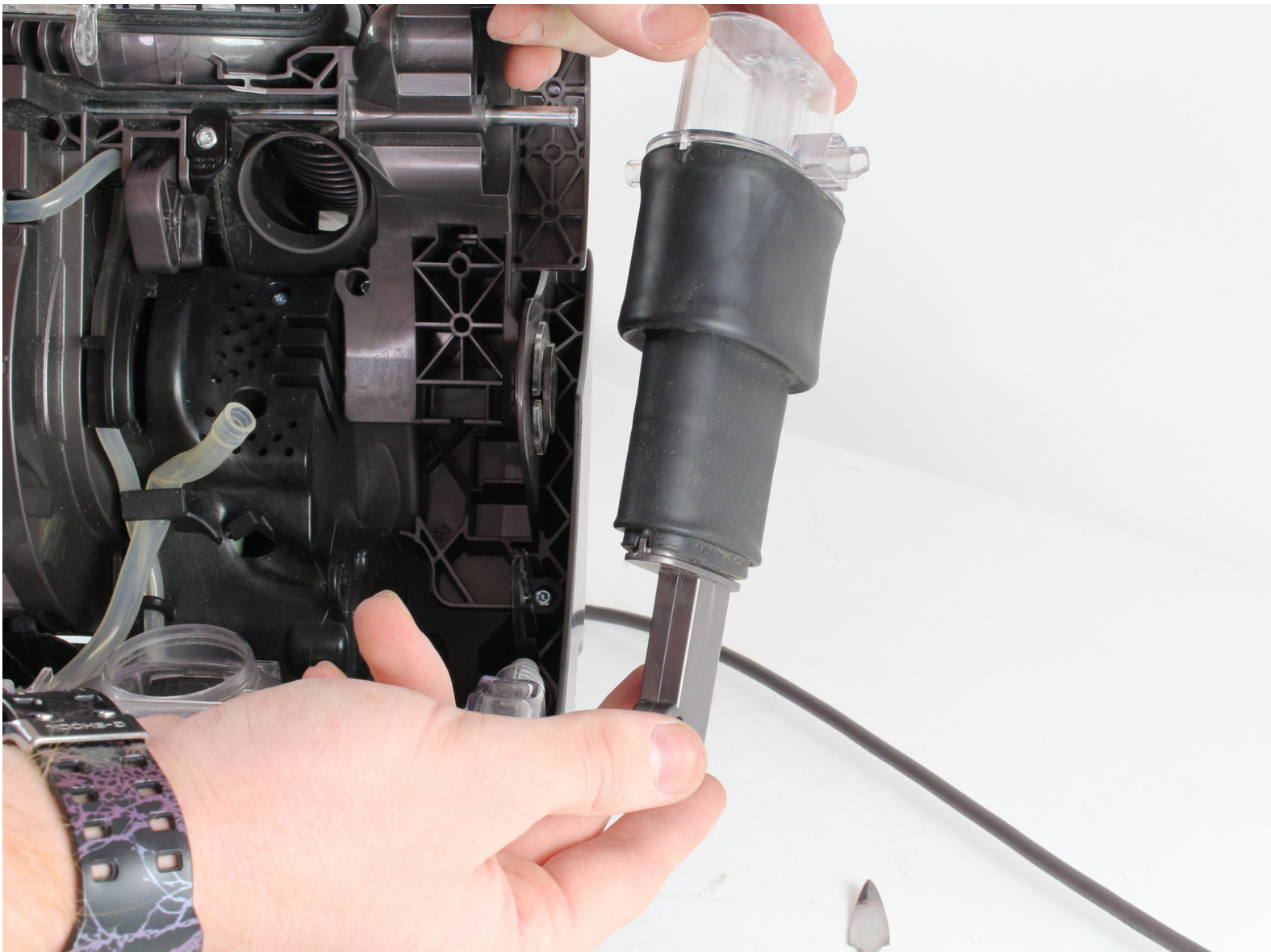




# Dyson DC28 Animal Air Muscle Assembly Replacement

This guide will walk you through the process of removing the air muscle assembly in order to replace it.

Written By: Alec Goodman



## INTRODUCTION

This guide will take you through the removal of the of the sole plate and the air muscle assembly. The final goal of this guide is to remove and replace the air muscle assembly.

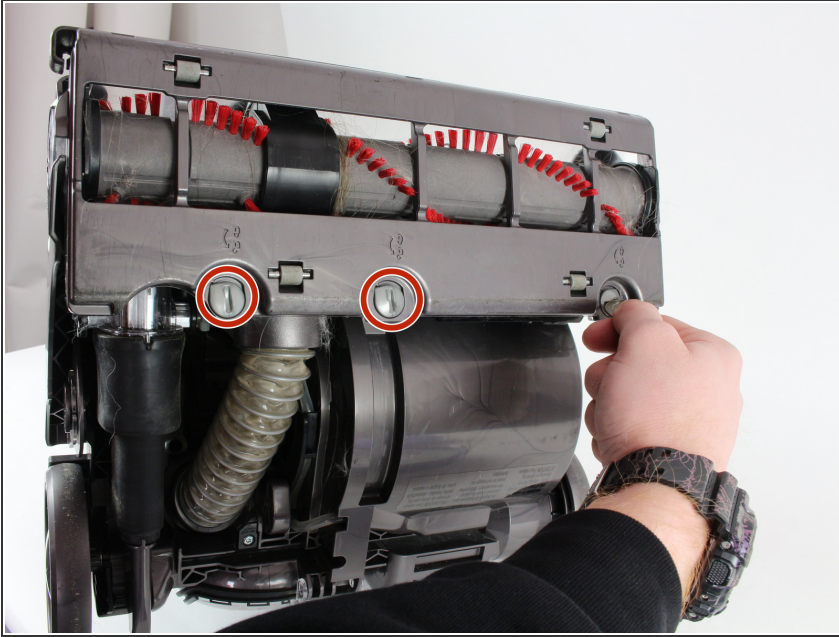
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### TOOLS:

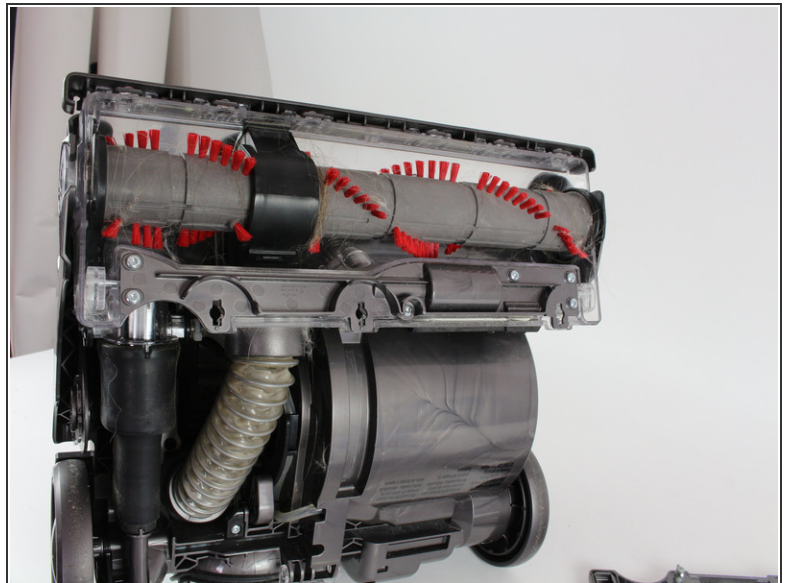
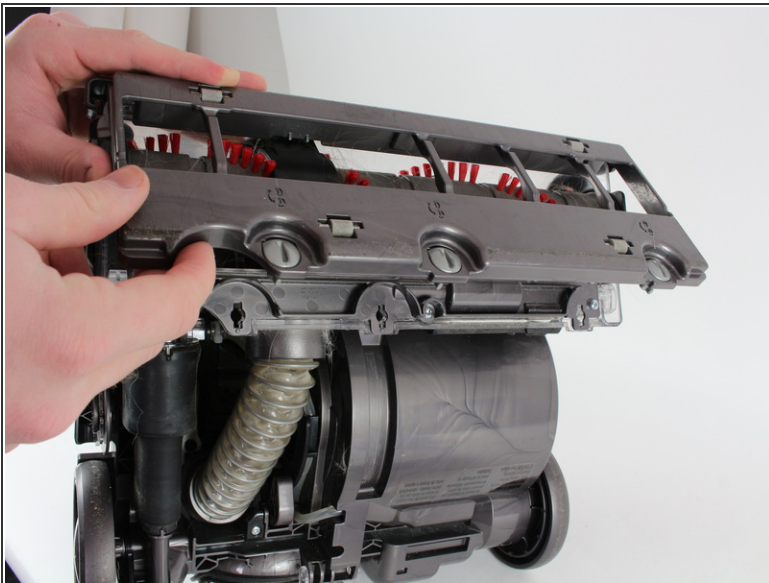
- [T15 Torx Screwdriver](#) (1)
  - [Flathead 3/32" or 2.5 mm Screwdriver](#) (1)
  - [Metal Spudger Set](#) (1)
  - [Flush Wire Cutters](#) (1)
  - [Coin](#) (1)
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## Step 1 — Sole Plate



- Lay the vacuum on its side to allow for easy access to the bottom of the cleaner head.
  - Unlock the sole plate by using [a quarter](#) or other flat tool to turn the three plastic bolts counter-clockwise, as indicated on the sole plate.
- ⚠ The plastic fasteners can be damaged when using a metal tool to turn them.

## Step 2



- Gently pull off the sole plate

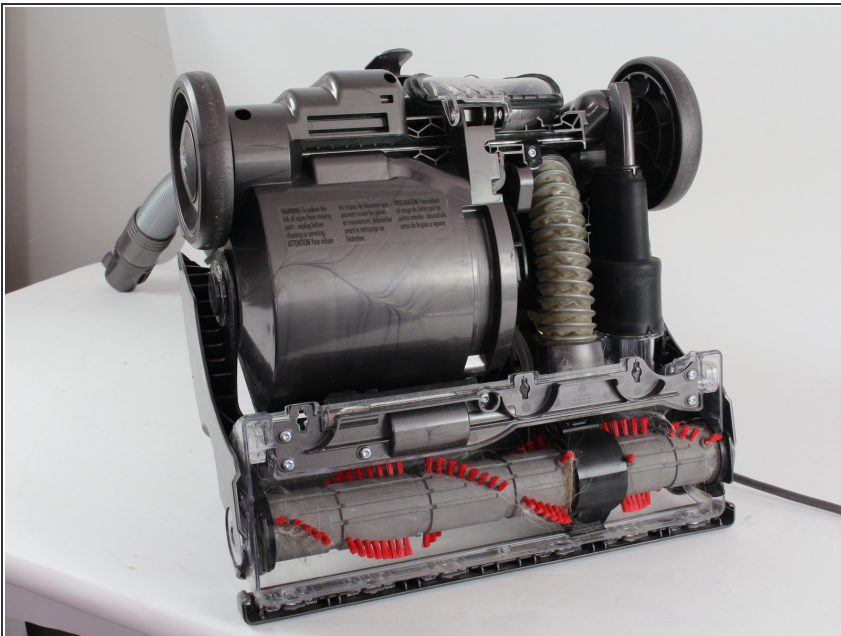


### Step 3 — Air Muscle Assembly



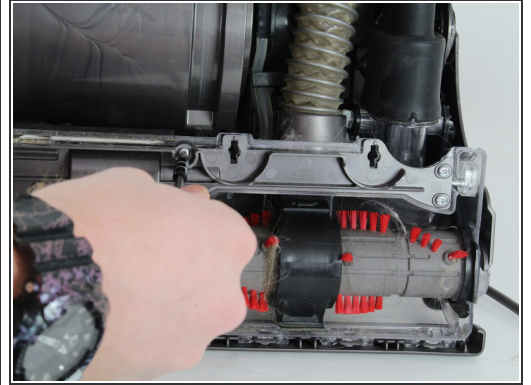
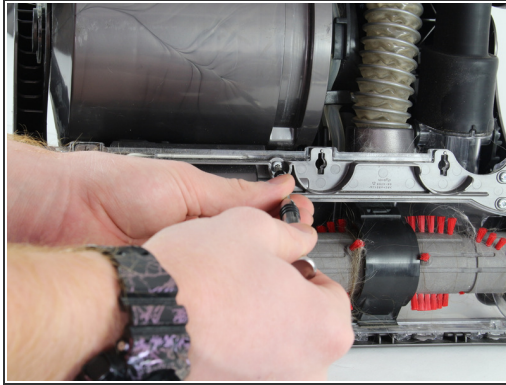
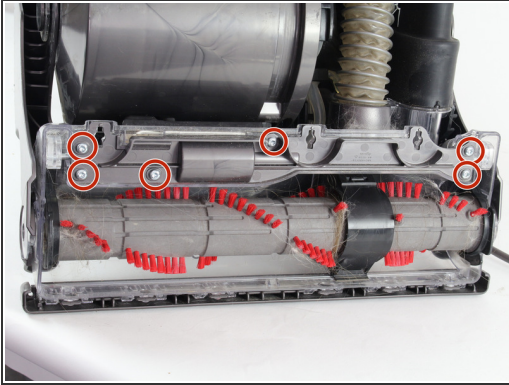
- Remove the dust collector using the red button located at the top of the bin

### Step 4



- Flip the vacuum over to allow for easy access to bottom.

## Step 5



- Identify the 6 screws.
- Remove the six 9mm screws using T15 Torx Screwdriver.

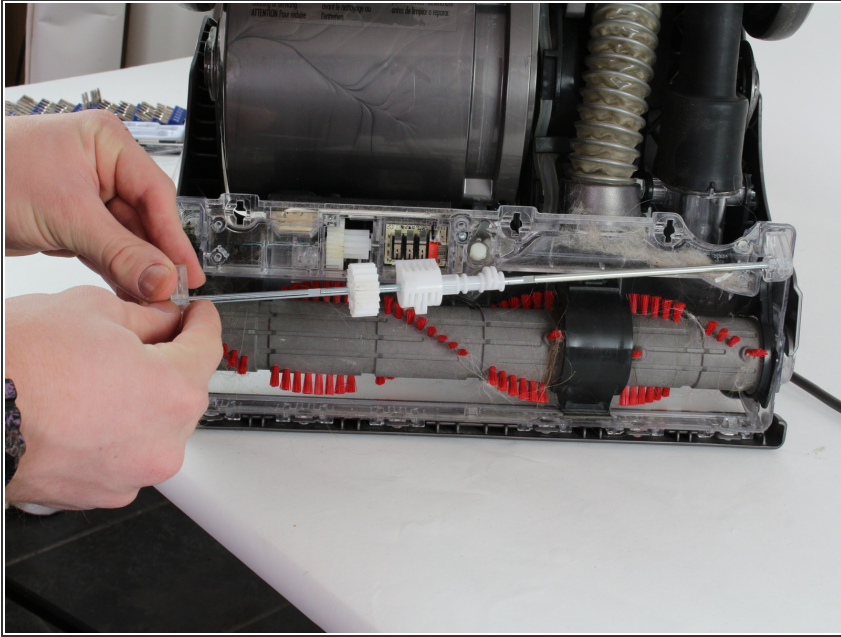
## Step 6



- Gently remove the drive cover.

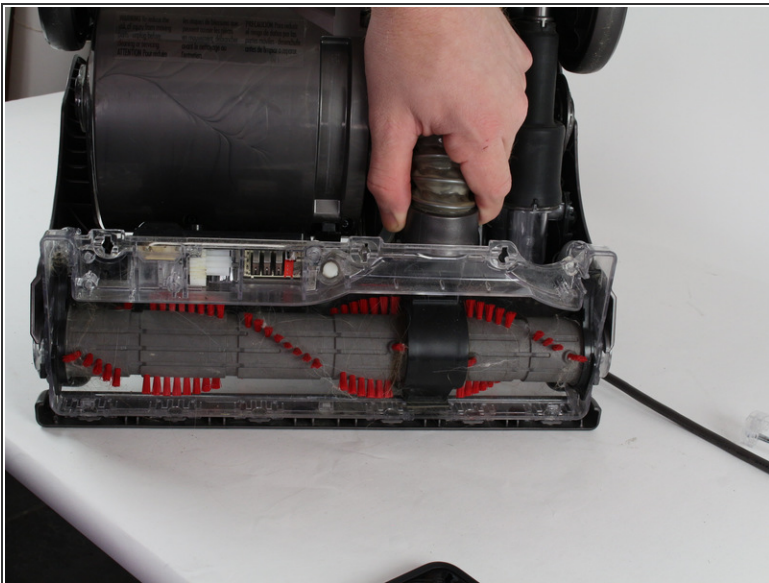


## Step 7



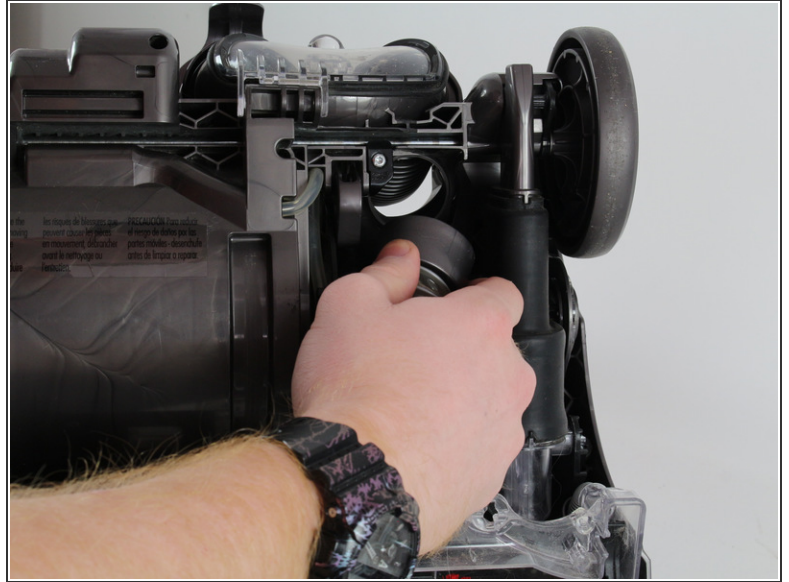
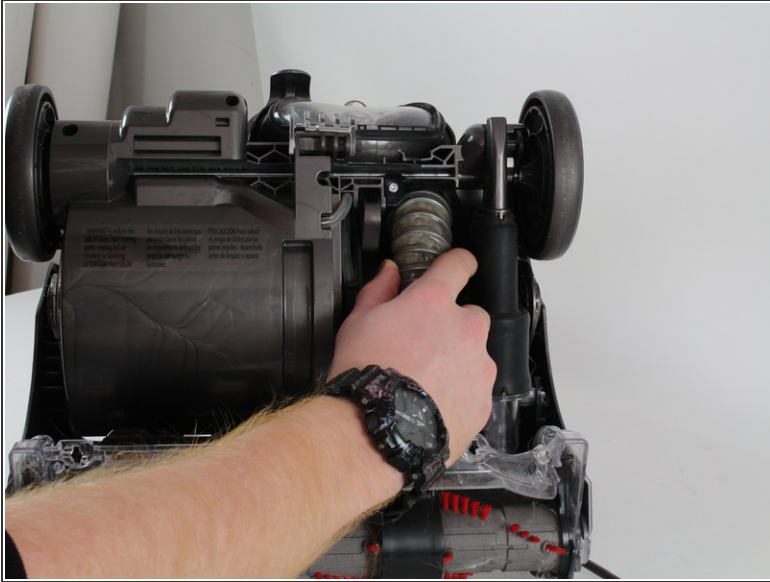
- Remove the drive assembly.

## Step 8



- Grab the hose by hard plastic base.
  - Pull firmly to remove it from the holder.
- ⚠ If you pull too hard the plastic can be ripped.

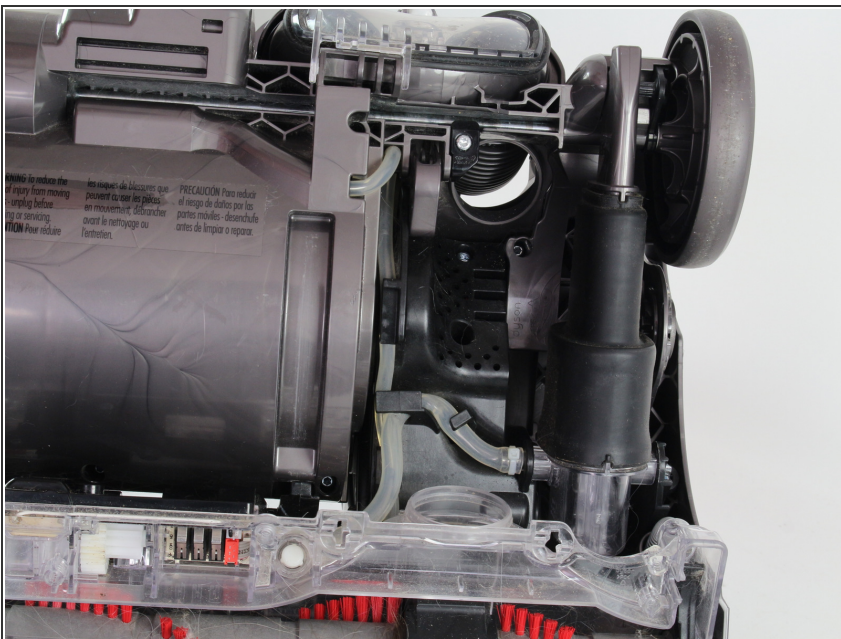
## Step 9



- Firmly grab top section of the hose and remove from the holder.

⚠ If you pull too hard the plastic can be ripped.

## Step 10



- Remove section of the hose from the vacuum.

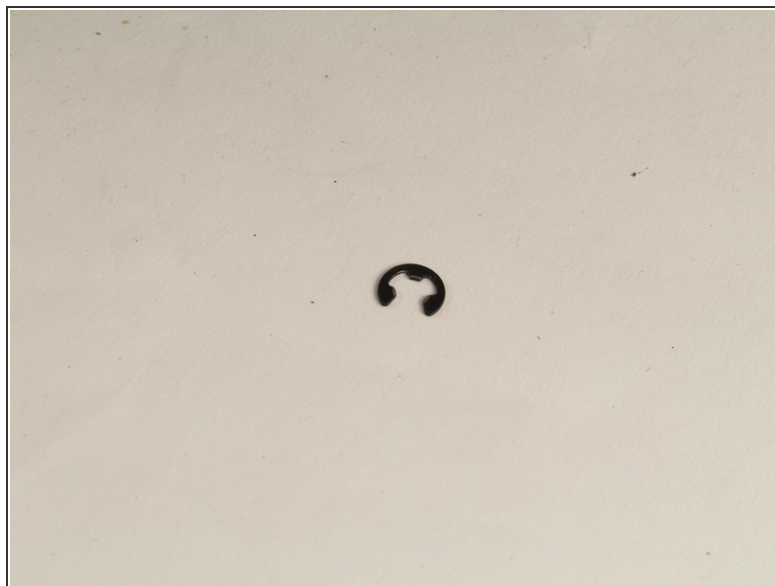


## Step 11




- Go to the wheel on the right side of the vacuum.
- Remove the cap of wheel by sliding in a small metal spudger or flat head screwdriver and gently prying up.

## Step 12



- Use the pointed end of a [metal spudger](#) to pull off the e-clip.

 The e-clip is hard to remove and may require some effort to remove.



## Step 13



- Pull the wheel off of the axel.

## Step 14



- Remove the axel piston from axel.
- ⚠ Be careful not to lose the washer on the end of the axel piston.

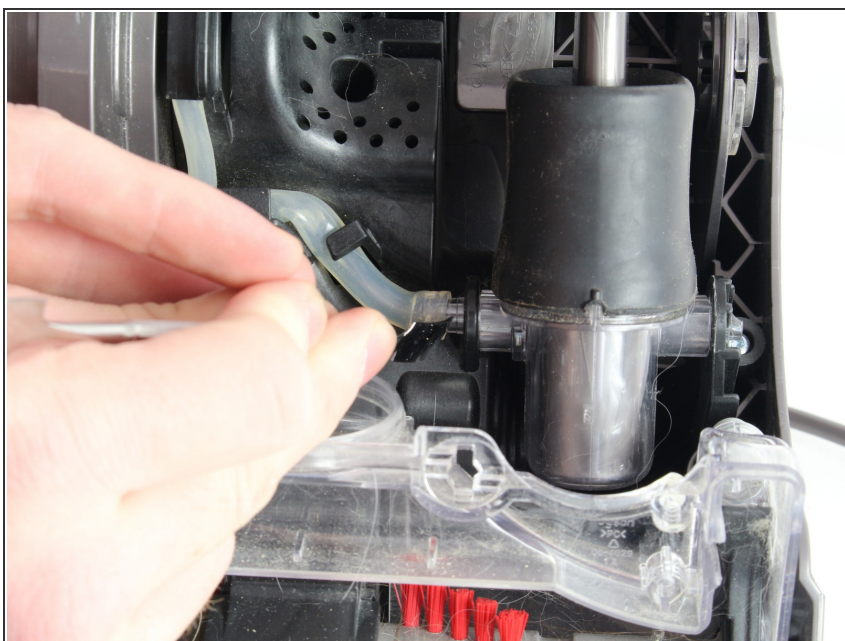
## Step 15



- Use the [wire cutters](#) to cut the zip tie holding the tube on.

⚠ Be careful not to cut the plastic hose.

## Step 16



- Gently pry and pull the tube off of the nub.



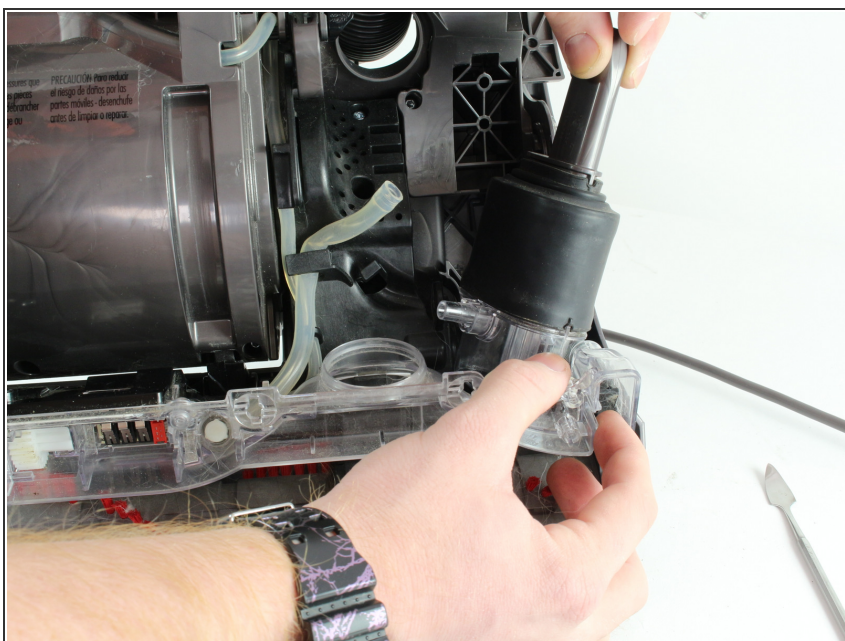
## Step 17



- Use a flat head screwdriver or metal spudger to push the plastic out of the way and remove the air muscle.

⚠ Be careful not to break the plastic. Bend it just enough to remove the part.

## Step 18



- Remove the air muscle from the rest of the vacuum.

To reassemble your device, follow these instructions in reverse order.